

Description

UPB8 high temperature pressure transmitter is designed for the measurement of high temperature medium, it uses special pressure sensors whose pressure diaphragm can be contacted by pressure medium directly. This product uses temperature radiation to isolate its amplifying circuits, this not only guarantees UPB8's small volume and good performance, but also make this product enhance the measured medium temperature range.

The performance of UPB8 is very reliable after strict tests and aged screening, it is suitable for pressure measurement in many industrial sites. UPB8 high temperature pressure transmitter presently is widely used for measurement of high temperature gas or liquid in aerospace, petroleum chemical industry, metallurgy, electric power, food, medicine, scientific research etc.



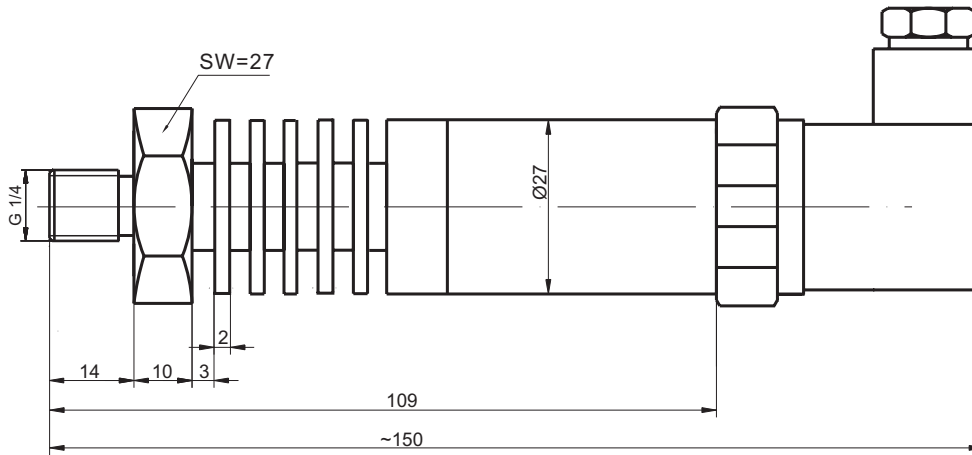
Features

- Suitable for the measurement of high temperature (max. 175°C), low temperature, and normal temperature medium
- Reliable performance, good long-term stability
- Anti-impact, anti-vibration, anti-corrosive
- Reversed polar protection and current limiting protection

Specifications

pressure medium	gas or liquid compatible to stainless steel
pressure ranges	-1...0~0.1bar...1000bar
pressure type	gauge(G), absolute(A), sealed gauge(S)
overload pressure	200%FS and 150MPa (choose smaller)
output signal	4~20mA, 1~5V
accuracy	0.25%FS, 0.5%FS(standard)
load resistance	$R_L = (U - 10V) / 0.02A$ (4~20mA current output) U—loop voltage (V)
long-term stability	<0.5%FS/year
supply voltage	10~30VDC
operating temperature range	-40~+120°C
medium temperature range	-40~+175°C
temperature coefficient of zero	0.25%FS/10°C
temperature coefficient of span	0.25%FS/10°C
insulation resistance	100MΩ@50VDC
process connection	G1/2 or others
electrical connection	hirschmann connector or others
material of wetted part and housing	1Cr18Ni9Ti
response time	<1ms

Dimensions



Ordering code

UPB8						
	range	measuring range: -1...0~0.1...1000bar				
	(X1~X2)bar	X1: lower limit of actual measuring range, X2: higher limit of actual measuring range				
		code	pressure type			
		G	gauge			
		A	absolute			
		S	sealed gauge			
			code	accuracy		
			C	0.25%FS		
			D	0.5%FS		
				code	output	
				O1	4~20mA	
				O2	0~5V	
				O3	1~5V	
				Oz	customer request	
					code	other
					P1	G1/4
					P2	G1/2
					P3	1/4NPT
					P4	M20×1.5
					Pz	customer request
UPB8	(-1~10)bar	G	D	O1	P2	